



IPR-10G-HDMI

IPR-10G-HDMI provides monitoring of HD SMPTE ST 2110 signals via HDMI. It receives SMPTE ST 2110 over 10 GigE connectivity, formats the data for output on a full-size HDMI interface, and the associated audio from the video stream is extracted, synchronized, and embedded into the HDMI interface and also output on an analog RCA interface.

\$1,145 US MSRP

<https://www.aja.com/products/ipr-10g-hdmi>

Video Format

- (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30
- (HD) 1920x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1920x1080i 50, 59.94
- (HD) 1280x720p 50, 59.94, 60
- (SD) 625i 50
- (SD) 525i 59.94

Video Quality

- 10-bit, 4:2:2, uncompressed

Discovery, Registration and Control

- NMOS
- Ember Plus (no discover, control only)

Media Transport Interfaces

- SMPTE ST 2110
 - 1x SFP+ Cages - SFPs not included
- Recommended 10 GigE SFP+ modules:
 - Arista Networks SFP-10G-SR Compatible 10GBASE-SR
 - Fiberstore SFP-10GSR-85 10G SFP+ 850nm
 - Finisar FTLX1471D3BCL (for single mode 1310nm)
 - Mellanox MFM1T02A-SR 850nm 10G

Note: Maximum supported SFP+ power is 500 mWatts

Video Input IP

- SMPTE ST 2110
 - Single channel input

Video Output Digital

- 1x HDMI Standard Type A connector
 - HDMI v1.4b 24/30-bits per pixel, RGB/YUV

Audio Output Digital

• Up to 8-Channel embedded audio, 24-bit per channel, 48 kHz synchronous

Audio Output Analog

- 2x RCA analog audio
 - Levels at -10 dBu (nominal)

User Controls

- 1 x RJ-45 (IEC 60603-7) for 10/100/1000 Base-T Ethernet (IEEE 802.3-2012)
 - HTTP/1.1 (RFCs 7230, 7231, 7232, 7233, 7234, 7235)
 - Web and REST clients supported
- 1 x USB 2.0 Mini-B (IEC 62680-1) connector
 - AJA eMini-Setup of network parameters

Size (w x d x h)

- 5.53" x 4.48" x 0.954" (140.46 x 113.79 x 24.23 mm)

Weight

- 0.6 lb (0.3 kg)

Power



- 5-20VDC Regulated, 13 Watts (estimated), Power supply required (included with purchase)

Environment

- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)